

rbs sludge Quarries SOIL AND ROCK SUSCEPTIBLE TO LANDSLIDING quarry site Soil and rock similar to that involved in landslides elsewhere in map area; primarily areas spoil bank, quarry waste underlain by claystone, mudstone and shale associated with other rock types. Rock weathers Gravel pits rapidly on exposure forming clayey soil highly site of gravel pit susceptible to sliding. Includes coves (U-shaped, shallow valleys) containing thick layers of clayey Slides in man-made features soil that are very susceptible to sliding where earth flow in fill excavation breaks continuity of slope and where overloaded by artificial fill. AREAS LEAST PRONE TO LANDSLIDES Map areas in which no patterns or symbols are shown; Columbia 1 X 2 Sheet primarily valley floors, ridge tops and broad benches; modification by excavation and fill may 881 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 lead to local landslides. The first five digits of the open file number designate the specific 1:250,000 scale map sheet of which this quadrangle is a part. The last two digits designate the position of the quadrangle in a subdivision of the 1:250,000 scale map based on rows and tiers shown in the diagram to the right. The location of this quadrangle is shown by the black square.

Mapped areas

gradational and not well defined. Questioned

Valley wall along major streams with slope as steep as  $40^{\circ}$  (85%); stony, clayey silt soil up

to 50 ft. (15 m) thick; commonly buttressed by a terrace or bench at the toe of the slope; very susceptible to sliding by cutting of toe area,

removal of terrace or bench, and overloading;

silde commonly activated without apparent cause.

Area of recent and old slides in which

individual slides are not identified.

where doubtful.

COMBINATION LANDSLIDE

COLLUVIAL SLOPE